

M 4.0, 17 km SSW of Weston, Colorado

Origin Time: 2023-08-26 08:38:44 UTC (Sat 02:38:44 local)
Location: 36.9895° N 104.9264° W Depth: 4.2 km

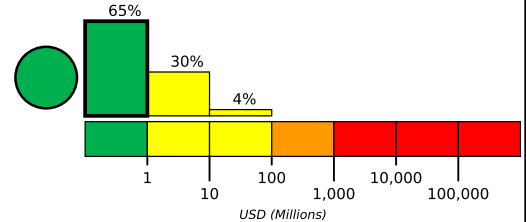
PAGER Version 2

Created: 28 minutes, 49 seconds after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

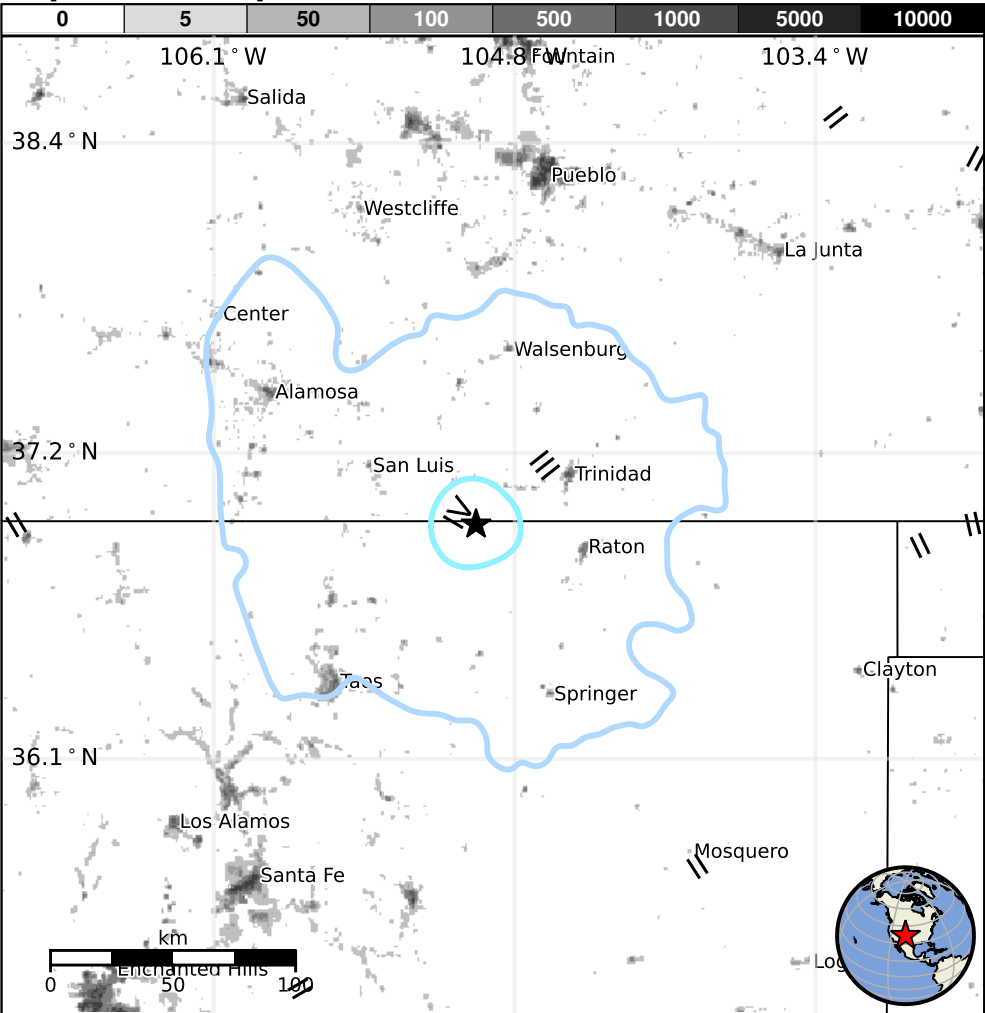


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	997k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-02-15	381	4.6	IV(8k)	—
2005-08-10	16	5.0	V(4k)	—
2001-09-05	32	4.5	V(11k)	—

Selected City Exposure

MMI	City	Population
III	San Luis	1k
III	Cimarron	1k
III	Trinidad	9k
III	Raton	7k
III	Questa	2k
III	Conejos	0
II	Pueblo	107k
II	Santa Fe	68k
II	Security-Widefield	33k
II	Rio Rancho	88k
II	Enchanted Hills	88k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

bold cities appear on map. (k = x1000)